Specifications

Recording system	2-track 1-channel monaural
Speaker	Approx. 6.6 cm (2 5/8 in.) dia
Frequency response	150 – 6,300 Hz
Input	Microphone input jack (minijack) sensitivity 0.25 mV for low impedance microphone
Output	Earphone jack (minijack) for 8 – 300-ohm earphone
Power output	400 mW (at 10% harmonic distortion) (DC)
Power requirements	6 V DC, four size C (R14) batteries DC IN 6V jack accepts: supplied AC power adaptor for use on 120 V AC, 60 Hz

Battery life (hours)

Batteries	Recording
Sony battery SUM-2 (NS)	Approx. 4
Sony alkaline battery AM2 (N)	Approx. 10

For maximum performance, we recommend the use of alkaline batteries.

Dimensions	Approx. 237 x 71 x 154 mm (w/h/d) (9 3/8 x 2 7/8 x 6 1/8 in.) incl. projecting parts and controls
Mass	Approx. 980 g (2.2 lb. 34.6 oz.) incl. batteries
Supplied accessories	AC power adaptor (1)

Design and specifications subject to change without notice.

Optional Accessories

Monaural earphone ME-81, ME-L82
Microphone F-VS7

Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed information.

Troubleshooting Guide

Should any problem persist after you have made these checks, consult your nearest Sony dealer.

Trouble	Cause/Solution
Cassette cannot be inserted.	• The cassette is the wrong way round. → See "Inserting a Cassette". • ▶ PLAY is pressed.
Tape does not move.	• The AC power adaptor is not plugged into a wall outlet (on AC operation). • No batteries in the battery compartment (on DC operation). • Incorrect polarity of batteries. • Weak batteries. • ❚❚ PAUSE is pressed.
▶ PLAY cannot be pressed.	The tape is completely wound towards the direction of the arrow on the cassette holder. → Rewind the tape with ◀◀ REW/REVIEW.
● REC cannot be pressed.	• No cassette in the cassette holder. • The inserted cassette has the tabs removed. → See "Preventing accidental erasure".
Tape is not erased satisfactorily.	• Clean the erase head. • TYPE II (CrO_2) or TYPE IV (metal) tape is used. → Use TYPE I (normal) tapes.
No sound from the speaker.	• The earphone is plugged in. • VOL is turned down completely.
Weak or distorted sound, sound drop-outs or excessive noise.	• Weak batteries. • Dirty heads. → See "Maintenance".

PERSONAL PORTABLE AUDIO PRODUCTS

SONY LIMITED WARRANTY

SONY CORPORATION OF AMERICA (SONY) warrants this product against defects in material or workmanship as follows:

1. For a period of 90 days from the date of retail purchase, SONY shall at its sole and absolute option either repair the defective product at no charge or replace the defective product with the same model or its equivalent model at no charge through a SONY SERVICE CENTER.

To obtain warranty service during the initial 90 day period, you must take the product, or deliver the product prepaid, to one of the SONY SERVICE CENTERS located in the United States.

2. After the initial 90 day period, SONY will supply at no charge new or rebuilt replacements for defective parts for a period of 1 year from the date of retail purchase.

Labor for removal and installation of these parts is available from your SONY authorized service facility or SONY SERVICE CENTER at your expense.

Proof of purchase in the form of a bill of sale or receipted invoice which indicates that the product is within the warranty period, must be presented to obtain warranty service.

This warranty does not cover cosmetic damage, and damage to any part of the product, including the antenna, which results from acts of God, accident, misuse, abuse, improper maintenance, or connection to an improper voltage supply.

This warranty is valid only if the serial number appears on the product. This warranty is valid only in the United States of America.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Please refer to the list of SONY SERVICE CENTERS on the reverse side for the SONY SERVICE CENTER nearest you.

For your convenience, Sony Corporation of America has established the Customer Information Center to supply you with product or service information.

Important: If returning product for service, Please see reverse side of this card for your nearest Sony Service Center.

SONY CUSTOMER INFORMATION CENTER
201-930-SONY (7669)
714-821-SONY (7669)
708-205-SONY (7669)

or write to

SONY CUSTOMER INFORMATION CENTER
Sony Drive, Mail Drop #T1 11
Park Ridge, New Jersey 07656

SONY CORPORATION OF AMERICA
Sony Drive, Park Ridge, New Jersey 07656

Sony Service Centers

Arizona [illegible]
California [illegible]
Colorado [illegible]
Florida [illegible]
Georgia [illegible]
Hawaii [illegible]
Illinois [illegible]
Kansas [illegible]
Maryland (Washington DC) [illegible]
Massachusetts [illegible]
Michigan [illegible]
Minnesota [illegible]
Missouri [illegible]
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Sony District Service Offices

Western Zone [illegible]
Central Zone [illegible]
Eastern Zone [illegible]

SONY

3-756-230-21 (1)

Cassette-Corder

[redacted]

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model and serial numbers are located on the bottom of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. TCM-919 Serial No. ____________________

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

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Precautions

- Do not open the casing. Refer servicing to qualified personnel only.
- Operate the unit only on 6 V DC.
  For AC operation, use the AC power adaptor supplied with the unit. Do not use any other AC power adaptor as it may cause a malfunction of the unit. For battery operation, use four size C (R14) batteries.
- The nameplate indicating operating voltage etc. is located on the bottom of the unit.
- Unplug the AC power adaptor from the wall outlet when it is not going to be used for an extended period of time. To disconnect the AC power adaptor, pull it out by grasping the AC power adaptor itself. Never pull it by the cord.
- When the internal batteries are not to be used for a long period of time, remove them to avoid damage caused by battery leakage and subsequent corrosion.
- Do not leave the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock, or in a car with its windows closed.
- Should any solid object or liquid fall into the unit, remove the batteries or disconnect the AC power adaptor, and have the unit checked by qualified personnel before operating it any further.
- Since a strong magnet is used for the speaker, keep personal credit cards using magnetic coding or spring-wound watches etc. away from the unit to prevent possible damage from the magnet.
- If the unit has not been used for a long period of time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.

Note on cassettes longer than 90 minutes

The use of cassettes longer than 90 minutes is not recommended except for a long continuous recording or playback. The tapes used for these cassettes are very thin and tends to be stretched easily.

Note on cassette types

For recording, we recommend the use of TYPE I (normal) tapes only. Do not use TYPE II (CrO_2) or TYPE IV (metal) tapes.

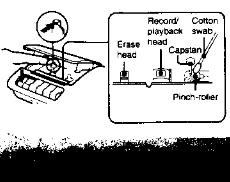
If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Maintenance

Cleaning the heads

Clean the heads, capstan and pinch-roller after every 10 hours of use to enjoy optimum sound. Moisten a cotton swab or a soft cloth with alcohol and wipe the parts shown in the illustration.

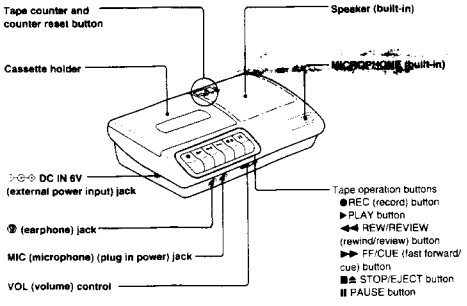
Before cleaning, press ● REC while pushing the lever as shown in the illustration. After cleaning, press ■▲ STOP/EJECT.



Cleaning the casing

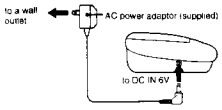
Clean the casing with a soft cloth slightly moistened with water or a mild detergent solution. Do not use alcohol, benzine or thinner as they may mar the finish.

Parts Identification

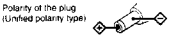


Power Sources

House Current

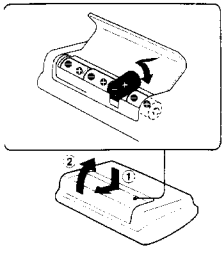


Note on the AC power adaptor
Use only the supplied AC power adaptor. Do not use any other AC power adaptor.



Note
Make sure that the AC power adaptor is disconnected from the unit when you wish to use the unit with the installed batteries.

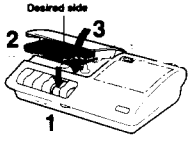
Batteries



Insert four size C (R14) batteries (not supplied) with correct polarity
Concerning battery life, see "Specifications".

Inserting a Cassette

Take up any slack in the tape before inserting a cassette.

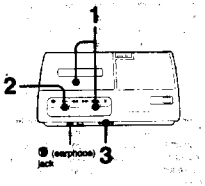


1 Press ■⏏ STOP/EJECT to open the cassette holder.

2 Insert a cassette into the cassette holder with the side to be recorded or played back facing upward.

3 Close the cassette holder.

Playback



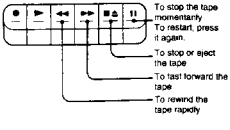
1 Insert a cassette. (See "Inserting a Cassette".)

2 Press ▶ PLAY.

3 Adjust the volume with VOL.

To stop playback, press ■⏏ STOP/EJECT.

Other operations



During playback

To skip undesired section, keep ▶▶ FF/CUE pressed.
To go back to a certain section, keep ◀◀ REW/REVIEW pressed.
When the button is released, playback starts again (Cue/review function).

At the end of the tape

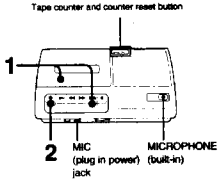
All the locked buttons will be automatically released (Full auto shut off mechanism).

Listening with an earphone

Connect an earphone (not supplied) to the (earphone) jack of the unit. The built-in speaker will be automatically disconnected.

Recording

Use only TYPE I (normal) tapes for recording.



1 Insert a cassette. (See "Inserting a Cassette".)

2 Press ● REC.
▶ PLAY is automatically pressed down as well.

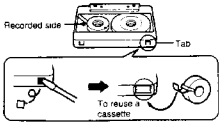
To stop recording, press ■⏏ STOP/EJECT.

Recording with an external microphone

Connect an external microphone (not supplied) to the MIC jack of the unit. The built-in microphone is automatically disconnected. When a plug in power type microphone is connected, power will be supplied to the microphone from the unit.

For indexing the tape contents

Use the tape counter. Before recording, press the counter reset button to set the tape counter to "000". The figure on the tape counter increases during playback, recording and fast-forwarding, and decreases during rewinding.

Preventing accidental erasure

Break off the tab corresponding to the recorded side. Any recording on that side will be protected.